Fluke i2000 Flex
AC Current Clamp

Technical Data

The i2000 is an ac current probe Utilizing the Rogowski principle. It can be used to measure currents up to 2000 A when used in conjunction with multimeters, recorders or data loggers. The flexible and lightweight measuring head allows quick and easy installation in hard to reach areas.

**Electrical specifications**

**Current ranges:** 20 A, 200 A, 2000 A ACRMS  
**Output sensitivity (ac-coupled):** 100 mV, 10 mV, 1 mV per A  
**Load impedance:** 100 kΩ minimum  
**Accuracy (at +25 °C):** ± 1 % of range (45 Hz to 65 Hz)  
**Linearity (10 % to 100 % of range):** ± 0.2 % of reading  
**Noise:** 8 mV ac rms (30 A), 2 mV ac rms (300 A, 3000 A)  
**Frequency range:** 10 Hz to 20 kHz (-3 dB)  
**Phase error:** < ± 1 ° (45 Hz to 65 Hz), ± 10 ° (at 20 kHz)  
**Position sensitivity (with cable > 25 mm from the coupling):** ± 2 % of range  
**External field (with cable > 200 mm from the head):** ± 1 % of range

**Power supply:** 2 x AA/MN 1500/LR6 Alkaline, 200 hours, low battery indicator  
**Temperature coefficient:** ± 0.08 % of reading per °C  
**Working voltage (see Safety standards section):** 600 V ac rms or dc

**General specifications**

**Head cable length (double insulated):** 610 mm (24 in)  
**Head cable diameter:** 14.3 mm (0.56 in)  
**Head bend radius:** 38.1 mm (1.5 in)  
**Cable length (head to electronics):** 2 m (6.56 ft)  
**Output connection:** BNC with BNC to Banana adapter included  
**Operating temperature range:** 0 °C to +70 °C (32 °F to 158 °F) (head and electronics)
Storage temperature range: \(-40 \, ^\circ \text{C} \) to \(+105 \, ^\circ \text{C}\)  
\((-40 \, ^\circ \text{F} \) to \(221 \, ^\circ \text{F}\)  
\((-4 \, ^\circ \text{F} \) to \(185 \, ^\circ \text{F}\)  

Operating humidity: 15% to 85%  
(non-condensing)

Weight: 180 g (6.34 oz) (head), 190 g (6.70 oz)  
(electronics)

Safety standards
EN 61010-1: 2001
EN 61010-2-032: 2002
EN 61010-031: 2002

600 Vrms, Category III, Pollution Degree 2

Use of the probe on uninsulated conductors is limited to 600 V ac rms  
or dc and frequencies below 1 kHz.

EMC Standards
EN 61326: 1998 +A1, A2, & A3

Ordering information
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